



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/055,028	01/23/2002	Thomas W. Christoffel	BLS-007	7504
51414	7590	05/15/2007	EXAMINER [REDACTED] GREY, CHRISTOPHER P	
GOODWIN PROCTER LLP PATENT ADMINISTRATOR EXCHANGE PLACE BOSTON, MA 02109-2881			ART UNIT [REDACTED] 2616	PAPER NUMBER [REDACTED]
			MAIL DATE 05/15/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/055,028	CHRISTOFFEL ET AL.
	Examiner Christopher P. Grey	Art Unit 2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 11 April 2007.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 18-34 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 18-34 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO/SB/08)  
     Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
     Paper No(s)/Mail Date. \_\_\_\_\_  
 5) Notice of Informal Patent Application  
 6) Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

1. Claims 18-34 are rejected under 35 U.S.C. 102(e) as being anticipated by Akhtar et al. (US 7079499), hereinafter referred to as Akhtar.

**Claim 18, 25, 32** Akhtar discloses receiving a request at the first wireless network to access the second wireless network (Col 30 lines 51-61 and Col 33 lines 4-22, the first wireless network substantially heterogeneous with the second wireless network (Col 30 lines 38-50), and the request being on behalf of the mobile device and indicating a network system specifying the second wireless network (Col 31 lines 44-Col 32 line 11).

Akhtar discloses through the intermediary network (fig 1, 108, IP network) via the first wireless network, obtaining an access identifier for the second wireless network, the

access identifier for use by the mobile device when accessing the second wireless network (see fig 5 and Col 13 lines 53-Col 14 line 10).

Akhtar discloses providing to the mobile device via the first wireless network, the access identifier for the mobile device to use when accessing the second wireless network (fig 14A, element 1432, and Col 38 lines 45-Col 39 line 39 and Col 39 lines 54-67, NAI extension).

Akhtar discloses providing a virtual representation of the first wireless network at the second wireless network by emulating a gateway of the first wireless network by supporting protocols of the first wireless network at the second wireless network (Col 26 lines 8-15 and Col 31 lines 30-35 and fig 10, where both lsf and nsf's form fig 10 support AAA protocol for communication b/w home and visiting networks; also see Col 25 lines 51-53, where tunneling data is equivalent to emulating as supported description of the application), thereby allowing the mobile device to seamlessly access the second wireless network (Col 30 lines 45-48 and Col 31 lines15-16) via the first wireless network using the access identifier (Col 26 lines 16-19, where authenticating is performed via the home network's NSF).

**Claim 19, 26** Akhtar discloses the first wireless network being a wireless local area network, the second wireless network being a cellular telecommunications network (Col 1 lines 35-52 and Col 8 lines 36-40), and the mobile device being a personal digital assistant (Col 7 lines 42-Col 8 line 12).

**Claim 20, 27** Akhtar discloses the request including a user identification of a user of the mobile device (Col 33 lines 5-14), and the step of receiving the request including

determining an identity of the network system as a function of the user identification (col 33 lines 22-26, authentication verifies an identity).

**Claim 21, 28** Akhtar discloses the step of obtaining the access identifier including providing an authentication request (Col 26 lines 39-Col 27 line 13) on the request to a dynamic host configuration server (Col 13 line 20-Col 15 line22).

**Claim 22, 29, 33, 34** Akhtar discloses the access identifier being an Internet protocol address (Col 7 line 53-Col 8 line 12) and the intermediary network being the Internet (fig 1, 108).

**Claim 23, 30** Akhtar discloses the step of obtaining the access identifier including requesting the access identifier from a network gateway (see gateways in fig 4B) for the second wireless network, the network gateway providing the access identifier from a predefined range of access identitifiers (Col 3 lines 53-Col 14 line 14, requesting IP address from a database containing a number of entries).

**Claim 24, 31** Akhtar discloses the step of providing the access identifier including storing the access identifier in a device database that includes device identification for the mobile device (Col 14 lines 1-6).

#### ***Response to Arguments***

2. Applicant's arguments with respect to claims 18, 25 and 32 have been considered but are moot in view of the new ground(s) of rejection.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher P. Grey whose telephone number is (571)272-3160. The examiner can normally be reached on 10AM-7:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on (571)272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher Grey  
Examiner  
Art unit 2616

C.J.  
May 1, 2007

  
DORIS H. TO  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600